

a.

Snow and Ice Control Plan

City Of Santa Fe



City of Santa Fe

2020

Introduction

- Outlines responsibilities for planned and orderly winter maintenance of City owned facilities.
- Provides an understanding of the complexity and difficulties of snow and ice control.
- Summary of procedures, and policies related to snow and ice control.
- Provides for a systematic process for providing safety and mobility of the public.
- Protect the City from unreasonable liability claims.
- Adopted by Council in the fall of 2007.

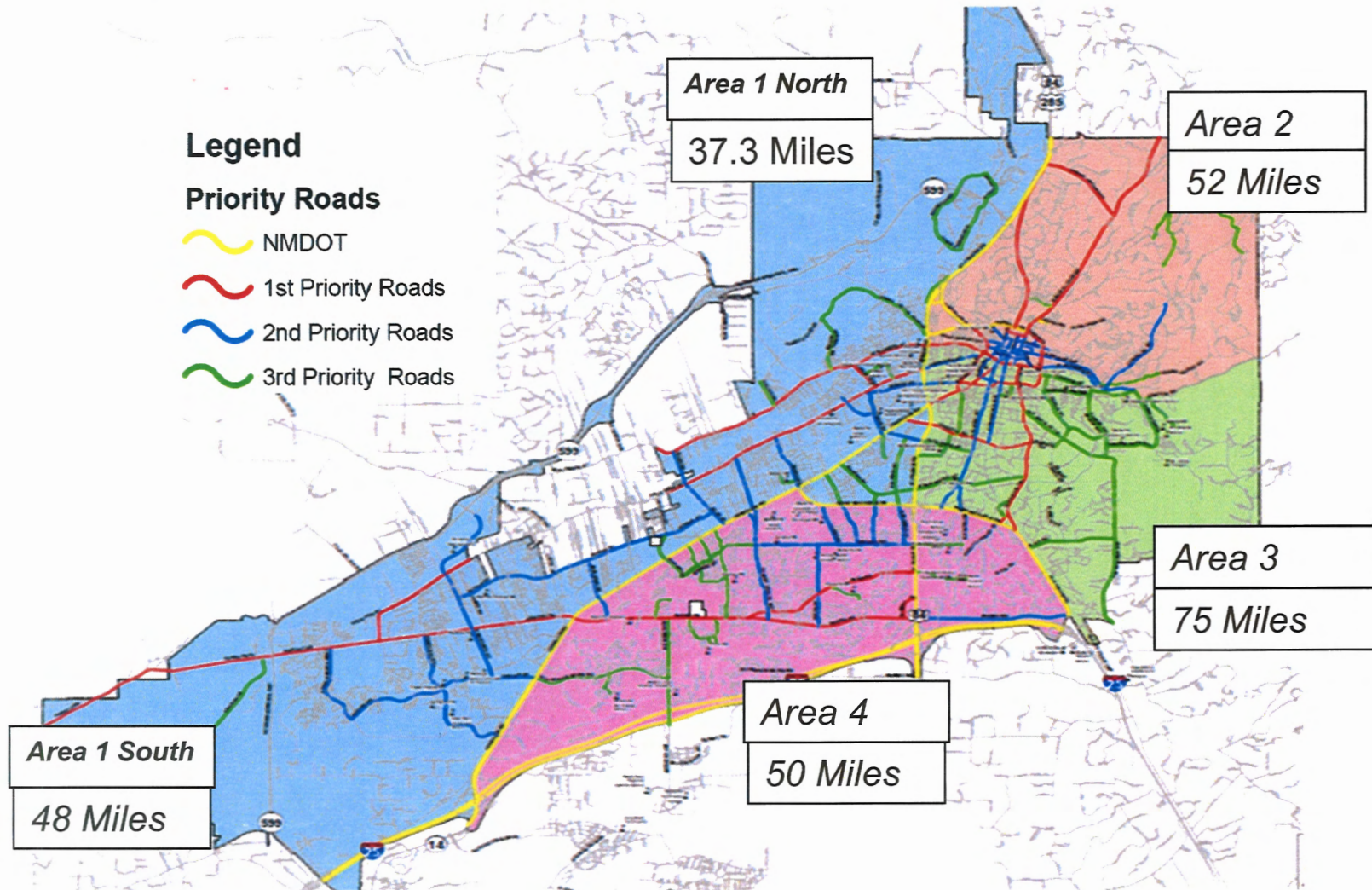
Priorities

- It is not economically or physically feasible to maintain all City streets even with moderate snow falls so prioritization was established.
- Policy is to provide maximum service to arterials, collectors and selected streets comprising the basic network.
- Intent is to safely move the majority of the City's traffic on major roads and to provide access to police, fire stations, hospitals, major medical facilities, senior centers, and schools.

Areas

- Divided into five geographical areas to facilitate an orderly approach.
- Under ideal conditions, when all equipment is up and running, one (1) sanding units will be assigned to each area.
- Sanding or plowing when applicable will be done in order of priority, i.e., Priority 1 through 3.
- Typically, we expect to have some down equipment during storms but spare trucks are getting repaired and ready for use.
- Typically takes 3 hours to cover all priority areas once the storm ends.

Snow Removal Areas



Hot Spots

Hot Spots		Date _____		
ID	Street	Area	Completed	Driver
1	Paseo De Vista (Cruzitas) - Alamo to Dump	1		
2	Calle Nopal	1		
3	Rincon de Torreon	1		
4	Sierra Vista	1		
5	Cristobal Colon (hill)	1		
6	Calle Mejia (Off Alamo Drive)	1		
7	Jaquar Drive (Hill at the Fire Station)	1 South		
8	Cerro Gordo / Palace Ave	2		
9	Cam. De La Luz (Paved Portion)/De Lora/Cam. Cerritos	2		
10	Gonzales Rd./Cerro Gordo/E. Alameda St.	2		
11	Cerro Colorados	2		
12	Apodaca Hill (at Upper Canyon Road)	2		
13	Sierra Del Norte	2		
14	Harkle Rd - Near Hospital Drive	3		
15	Early St	3		
16	Garcia St	3		
17	Espejo /Old Pecos Trail Intersection	3		
18	Calle Medico (Off Old Pecos Trail)	3		
19	Galisteo Street (between W San Mateo & Cordova)	3		
20	Hospital Dr. (Off of St. Michaels Drive)	3		
21	Don Diego @ Cerrillos Road Intersection	3		
22	Camino Cabra	3		
23	Cam Cruz Blanca/Calle Picacho/Cam De Monte Sol intersection	3		
24	Camino Consuelo / Siringo Rd Intersection	4		
25	La Resolana / Siringo Rd Intersection	4		
26	Zia Rd @St Francis Dr (EBL near track).	4		

Ice Removal

Central Business District (CC)

STREET NAME		LIMITS	
1. Palace Ave	Paseo De Peralta	to	Sandoval
2. Lincoln Ave	Federal	to	Palace Ave
3. Sheridan Ave	Marcy Ave	to	Palace Ave
4. Washington Ave	Paseo De Peralta	to	Palace Ave
5. San Francisco St	Sandoval	to	Cathedral Pl
6. Cathedral P1	Palace Ave	to	East Alameda
7. Water St	Sandoval	to	Cathedral P1
8. De Vargas St	Galisteo	to	Paseo De Peralta
9. Manhattan Ave	Cerrillos Rd	to	Paseo De Peralta
10. Garfield	Guadalupe	to	Sandoval
11. Aztec St	Guadalupe	to	Sandoval
12. Galisteo	San Francisco	to	E Alameda
13. Don Gaspar Ave	San Francisco	to	Alameda
14. Marcy St	Grant Ave	to	Hillside Ave
15. Grant Ave	Sandoval	to	Paseo De Peralta
16. Old Santa Fe Trail	Water St	to	Palace Ave
17. Canyon Rd	Paseo De Peralta	to	Camino Del Monte Sol
18. Johnson St	Guadalupe	to	Grant Ave
19. Kearny	Entire Length		
20. Nusbaum	Washington	to	Otero
21. Mercer St	St Francis Dr	to	Onate St
22. Zia Rd.	Cam Carlos Rey	to	St Francis Dr
23. Agua Fria	La Madera	to	Guadalupe St

Santa Fe School Routes

<i>School</i>	<i>Street</i>	<i>Snow Map Area</i>
<i>Acequia Madre Elementary</i>	<i>Acequia Madre</i>	<i>Area 3</i>
<i>Aspen Vista School</i>	<i>La Madera</i>	<i>Area 1</i>
<i>Alvord Elementary</i>	<i>Alarid Street</i>	<i>Area 3</i>
<i>Atalaya Elementary</i>	<i>Camino Cabra</i>	<i>Area 3</i>
<i>Academy</i>	<i>Cerrillos Road</i>	<i>Area 4</i>
<i>Camino Real K thru 8</i>	<i>South Meadows</i>	<i>Area 1</i>
<i>Capital High School</i>	<i>Paseo del Sol</i>	<i>Area 1</i>
<i>Capshaw Middle School</i>	<i>W. Zia Road</i>	<i>Area 4</i>
<i>Carlos Gilbert Elementary</i>	<i>Griffin Street</i>	<i>Area 2</i>
<i>Cesar Chavez Elementary</i>	<i>Jaguar Drive</i>	<i>Area 1</i>
<i>Chaparral Elementary</i>	<i>Avenida Chaparral</i>	<i>Area 4</i>
<i>College Of Santa Fe</i>	<i>St Michaels Dr / Siringo Rd</i>	<i>Area 4</i>
<i>De Vargas Middle School</i>	<i>Llano Road</i>	<i>Area 4</i>
<i>E.J. Martinez Elementary</i>	<i>W. San Mateo</i>	<i>Area 3</i>
<i>Gonzales Elementary</i>	<i>West Alameda</i>	<i>Area 1</i>
<i>H.E.C. (College Of Santa Fe)</i>	<i>Alumni Dr / Siringo Rd</i>	<i>Area 4</i>
<i>Kearny Elementary</i>	<i>Avenida de las Campanas</i>	<i>Area 4</i>
<i>Monte Del Sol</i>	<i>Walking Rain Road</i>	<i>Area 4</i>
<i>Nava Elementary School</i>	<i>Siringo Road</i>	<i>Area 4</i>
<i>Nina Otero K thru 8</i>	<i>Herrera Dr</i>	<i>Area 1</i>
<i>NM School for the Deaf</i>	<i>Cerrillos Road</i>	<i>Area 1</i>
<i>Ortiz Middle School</i>	<i>South Meadows</i>	<i>Area 1</i>
<i>Pinon Elementary School</i>	<i>Camino Los Caballos</i>	<i>Area 4</i>
<i>Ramirez Thomas Elementary</i>	<i>Rufina</i>	<i>Area 1</i>
<i>Salazar Elementary School</i>	<i>Apache Ave/Rosina St</i>	<i>Area 1</i>
<i>Santa Fe High School</i>	<i>Yucca Road</i>	<i>Area 4</i>
<i>Santa Fe Indian School</i>	<i>Cerrillos Road</i>	<i>Area 1</i>
<i>St Michaels High School</i>	<i>Siringo Road</i>	<i>Area 4</i>
<i>Sweeney Elementary School</i>	<i>Airport Road</i>	<i>Area 1</i>
<i>Wood Gormley Elementary</i>	<i>E Booth Street</i>	<i>Area 2</i>

Storm Class

Snow/Ice Condition Classification (Storm Class):

<u>Storm Class</u>	<u>Street Conditions</u>
A	Freezing rain, "black ice" or trace of snow with freezing temperature
B	1" to 2" accumulation
C	2" to 12" accumulation
D	12" to 24" accumulation
E	>24" Emergency

Level of Service

Storm Classification		A	B	C	D	E
Street Priority	Map Line Color					
1	Red	2	3	4	5	5
2	Blue	2	3	4	4	5
3	Green	2	3	4	4	4
4	All Other	1	1	1	1	1

Key for treatment Levels:

1. Do nothing except for known problem spots, i.e., steep grades, hazardous intersections, hilly terrain, etc. Treatment level is application of cinder/salt mixture on paved streets and grading of graveled surfaced streets.
2. Apply cinder/salt mixture intermittently, covering "hot spots" and major intersections.
3. Apply cinder/salt mixture uniformly.
4. Plow intermittently and apply cinder/salt mixture.
5. Plow repeatedly and apply cinder/salt mixture.

Scoria (Lava Rock) and Rock Salt

- A combination of scoria (lava rock) and rock salt is mixed at a 4-1 ratio, four parts scoria to one part rock salt.
- Ice Slicer used for extreme icy conditions and temperatures below 20 degrees mixed at a 2-1 ratio.

Time Line Schedule

Time Line Schedule

AUGUST

Order Rock Salt, Sand (Scoria)
Confirm Inventory of Equipment and Supplies for Snow Removal
Confirm Bid Contracts and Purchase Orders for Snow Removal items

SEPTEMBER

Pre - Snow Emergency Department / Division Meeting
Prepare Draft of Snow Emergency Plan
Confirm valid CDL list
Confirm Snow Removal Routes
Confirm Status of Fleet Vehicles

OCTOBER - NOVEMBER

Verification of Snow Emergency Contact Phone List
Verification Fleet Vehicle & CDL Drivers readiness
Verification of Snow Removal Routes, Locations, and Staff
Submit Snow Emergency Plan
Tour Siler Road Facilities
Conduct a practice run of the snow and ice plan.
Review the plan, train employees, and incorporate new streets,
Locate snow plow obstacles and hazards within their routes.

DECEMBER

As conditions dictate - Snow Command Meeting & Debriefing

JANUARY

As conditions dictate - Snow Command Meeting & Debriefing

FEBRUARY

As conditions dictate - Snow Command Meeting & Debriefing

MARCH – APRIL

Final Snow Emergency Meeting & Debriefing

Challenges

- Aged Equipment – Repairs to equipment take time
- Training new employees
- Expanding responsibilities with smaller work forces
- Timing of the storms
- Plows are sometimes stuck in Traffic
- Low temperatures

NMDOT Maintained Roadways

NM 599 Relief Route	St. Francis Dr.	to	NM 14
Cerrillos Rd	St. Francis Dr.	to	City Limits (West End)
St. Michael's Dr.	Cerrillos Rd	to	OldPecos Trail
St. Francis Dr.	Interstate 25	to	US 285
Paseo De Peralta	St Francis Dr	to	Bishops Lodge
OldPecosTrail	St. Michaels Dr	to	Rodeo Rd
Hyde Park Rd	Bishops Lodge	to	City Limits
North Guadalupe	Paseo De Peralta	to	US 285

- NMDOT is responsible for snow removal on these roads.
- NMDOT District 5 Radio 505-795-0825
- NMDOT Statewide Communications 505-827-9325
- NMDOT works 24/7 for snow removal.
- City Units will not be plowing these roadways unless approval is granted from the Mayor or City Manager.